This Raw Listing contains the General Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: KARIN, MICHAEL
HIBI, MASAHIKO
LIN, ANNING

(ii) TITLE OF INVENTION: ONCOPROTEIN PROTEIN KINASE

(iii) NUMBER OF SEQUENCES: 10

(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: FISH & RICHARDSON P.C.
(B) STREET: 4225 Executive Square, Suite 1400
(C) CITY: La Jolla
(D) STATE: California
(E) COUNTRY: USA
(F) ZIP: 92037

(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: 09/150,200
(B) FILING DATE:
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 08/444,393
(B) FILING DATE: 19-MAY-1995

(viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Haile, Ph.D., Lisa A.,
(B) REGISTRATION NUMBER: 38,347
(C) REFERENCE/DOCKET NUMBER: 07257/017002

(ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: (619) 678-5070
(B) TELEFAX: (619) 678-5099

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 47 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(vii) IMMEDIATE SOURCE:
(B) CLONE: c-Jun/JNK binding site

(ix) FEATURE:
(A) NAME/KEY: Peptide
(B) LOCATION: 1..47

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

```
Ile Leu Lys Gln Ser Met Thr Leu Asn Leu Ala Asp Pro Val Gly Ser
1               5                   10                  15

Leu Lys Pro His Leu Arg Ala Lys Asn Ser Asp Leu Leu Thr Ser Pro
            20                  25                  30

Asp Val Gly Leu Leu Lys Leu Ala Ser Pro Glu Leu Glu Arg Leu
        35                  40                  45
```

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 35 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(vii) IMMEDIATE SOURCE:
(B) CLONE: N-terminal primer

(ix) FEATURE:
(A) NAME/KEY: CDS
(B) LOCATION: 1..35

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

```
TCTGCAGGAT CCCCATGACT GCAAAGATGG AAACG                              35
```

(2) INFORMATION FOR SEQ ID NO:3:

```
100
101       (i) SEQUENCE CHARACTERISTICS:
102            (A) LENGTH: 34 base pairs
103            (B) TYPE: nucleic acid
104            (C) STRANDEDNESS: single
105            (D) TOPOLOGY: linear
106
107      (ii) MOLECULE TYPE: DNA (genomic)
108
109
110     (vii) IMMEDIATE SOURCE:
111            (B) CLONE: N-terminal primer
112
113      (ix) FEATURE:
114            (A) NAME/KEY: CDS
115            (B) LOCATION: 1..34
116
117
118      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
119
120   TCTGCAGGAT CCCCGACGAT GCCCTCAACG CCTC                                  34
121
122   (2) INFORMATION FOR SEQ ID NO:4:
123
124       (i) SEQUENCE CHARACTERISTICS:
125            (A) LENGTH: 35 base pairs
126            (B) TYPE: nucleic acid
127            (C) STRANDEDNESS: single
128            (D) TOPOLOGY: linear
129
130      (ii) MOLECULE TYPE: DNA (genomic)
131
132
133     (vii) IMMEDIATE SOURCE:
134            (B) CLONE: N-terminal primer
135
136      (ix) FEATURE:
137            (A) NAME/KEY: CDS
138            (B) LOCATION: 1..35
139
140
141      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
142
143   TCTGCAGGAT CCCCGAGAGC GGACCTTATG GCTAC                                 35
144
145   (2) INFORMATION FOR SEQ ID NO:5:
146
147       (i) SEQUENCE CHARACTERISTICS:
148            (A) LENGTH: 35 base pairs
149            (B) TYPE: nucleic acid
150            (C) STRANDEDNESS: single
151            (D) TOPOLOGY: linear
152
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(ii) MOLECULE TYPE: DNA (genomic)

(vii) IMMEDIATE SOURCE:
(B) CLONE: N-terminal primer

(ix) FEATURE:
(A) NAME/KEY: CDS
(B) LOCATION: 1..35

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

TCTGCAGGAT CCCCGCCGAC CCAGTGGGGA GCCTG 35

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 35 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(vii) IMMEDIATE SOURCE:
(B) CLONE: N-terminal primer

(ix) FEATURE:
(A) NAME/KEY: CDS
(B) LOCATION: 1..35

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

TCTGCAGGAT CCCCAAGAAC TCGGACCTCC TCACC 35

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 30 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(vii) IMMEDIATE SOURCE:
(B) CLONE: C-terminal primer

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION *US/09/150,200*

DATE: 06/01/1999
TIME: 15:28:14

INPUT SET: S32082.raw

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